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CERTIFIED MAIL

Mr. David P. Turner, RPM (3HW22)
United States Environmental Protection Agency
Region III
841 Chestnut Building
Philadelphia, PA 19107-4431

March 1, 1996

Reference: Lord-Shope RA Monthly Progress Report

Dear Mr. Turner:

Lord is hereby submitting five copies of the monthly progress report for March 1996.

The following work was conducted during this period:

REMEDIAL ACTION

The Thermal Oxidizer has been operating successfully since November 17, 1995. Except for minor stoppages for items such as weather related instrumentation problems, the operation has been without safety or major equipment malfunction to date. Cold weather has caused many instrumentation and monitoring related problems. The destruction efficiency continues to meet the design target of 99.9%.

As planned, the flow rates for the vapors extracted from the cap have been gradually increased to the maximum design capacity of 160 SCFM. The Crest Header flows have therefor been reduced to less than 10 SCFM so that we may optimize the Main Header flow. The Toe extraction has not been initiated ; this will be last on our agenda since the porosity in this area tends to overwhelm the vacuum system and would limit the removal from the Cap and Crest areas.

The methane content of the vapors from the capped area continue to decrease; latest results were less than 0.1%. Methane levels experienced initially were in the range of 50-70 %.

Eckenfelder is studying the pump test results for the groundwater treatment system and will prepare a brief letter report of their findings which will be submitted in the near future. Results of the pump test were the basis for the design of the header system which has now been completed and forwarded to Dames & Moore. The zone of capture for the recovery wells appears to be approximately 100 feet north of the landfill cap.



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Eckenfelder is nearing completion of the preliminary report of current and historical findings of intrinsic bioremediation at the site for USEPA review. Their findings indicate that this process is already functioning at the site. The report will be submitted to USEPA in the near future. Upon receipt of written approval of this letter report, Lord will authorize Eckenfelder to prepare a Work Plan for further evaluation of the intrinsic bioremediation process for the plume north of the capture zone for the groundwater pump and treat system.

Lord plans to proceed per the tentative schedule for completion of the groundwater recovery and treatment portion of the RA in 1996 as previously submitted. The tentative schedule as presented assumes intrinsic bioremediation will be applicable for the balance of the plume; should that prove not to be the case, the schedule will be modified to include the additional groundwater recovery wells, pump test, and well installation on Over Lake property once access has been obtained.

MISCELLANEOUS:

The monthly inspection was performed and the site is in good condition.

Lord has completed the analytical results for the wells on Over Lake property; these results will be submitted in early March. Results indicate only minor contamination in some wells and no contamination in others.

Yours truly,

LORD CORPORATION

Eugene A. Miller
Manager, Environmental Services

EAM96009/ag

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